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TITLE : POLYENE ACID DERIVATIVE

ABSTRACT : PURPOSE: To provide the title novel compound having platelet coagulation- inhibitory activity, contractive and dilative activity for arterial wall, etc., thus useful e.g. as a preventive/therapeutic agent for thrombosis and arteriosclerosis etc., anti-inflammatory agent, or carcinostatic.

CONSTITUTION: The objective compound of formula RCO-NHR^1 (RCO is 20-22C polyene acid group; R^1 is OH or $(\text{CH}_2)_n\text{NR}^2\text{R}^3$; R^2 and R^3 are alkyl; n is integer: ≤ 3), for example, N-[2-(N',N'-dimethylamino)ethyl]-5Z,8Z,11Z,14Z,17Z-eicosapentaenamide; The present compound can be obtained by reaction between (A) a polyene acid's reactive derivative (e.g. acid anhydride, ester, acid halogenide) and a compound of formula NHR^1 .

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